

Berlin

08.10.2010

German Council of Science and Humanities

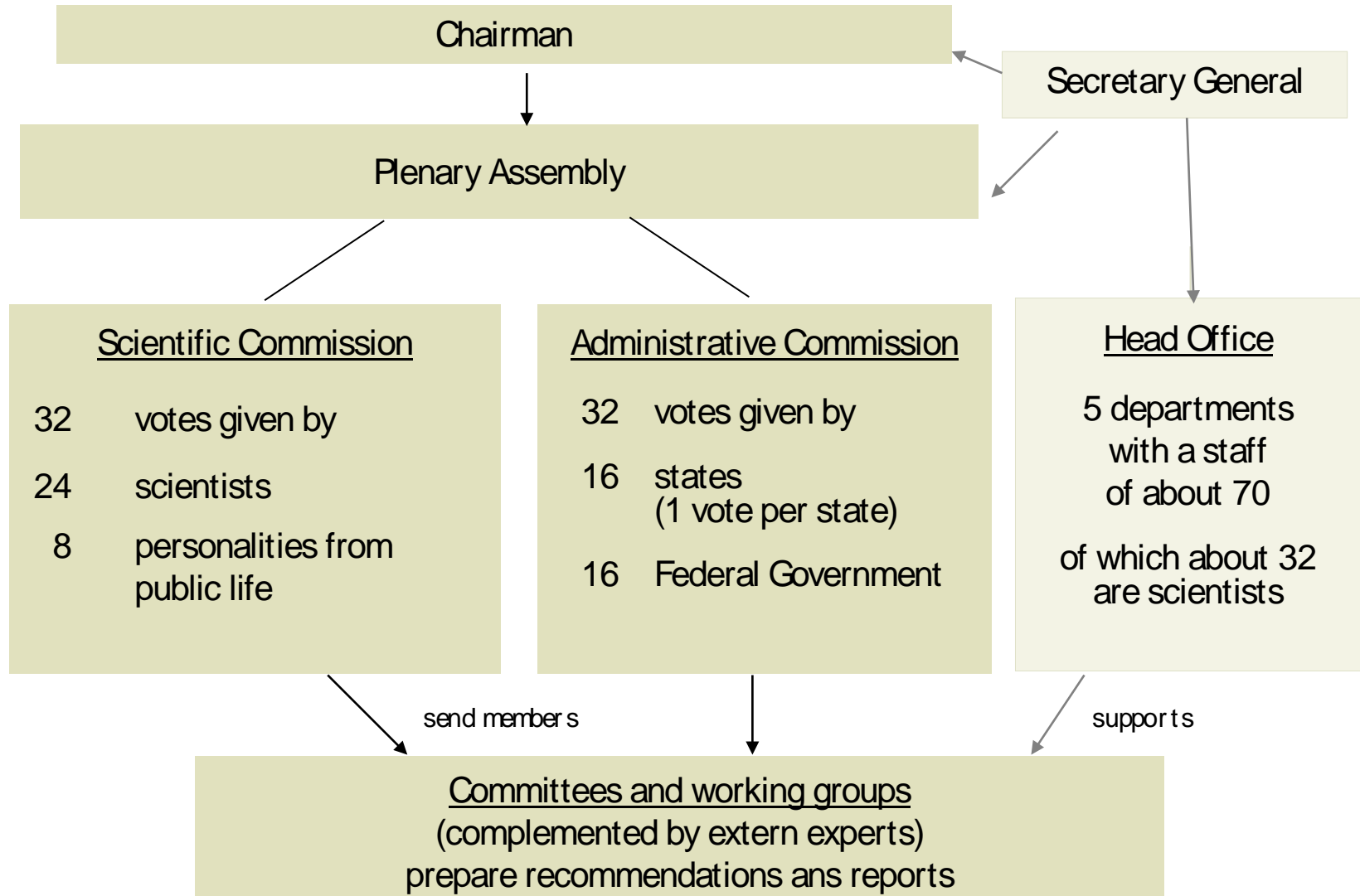
Research Rating

- _ German Council of Science and Humanities: An Overview
- _ Objectives
- _ Time Schedule
- _ Methods
- _ Publication of Results
- _ Developments

The German Council of Science and Humanities (Wissenschaftsrat) provides advice to the German federal government and the state (Länder) governments on the structure and development of higher education and research.

Administrative Agreement between the Federal Government and the States (Länder) on the establishment of a German Council of Science and Humanities from 5 September 1957 in the version of 1 January 2008

Organisational Structure



Objectives

- _ **Support decision-makers** in universities, non-university research institutions and ministries
- _ Provide **comparative information** on research quality and on research capacities
- _ **Increase transparency** and thereby promote competition
- _ Not directly linked with funding

Research Rating: Time Schedule

2003-2004	German council of Science and Humanities developed methodology for a new research rating
2005	Council assigned steering group to conduct pilot study (to test and refine the methods for the research system)
Oct 2005 – May 2008	Pilot study with two subjects: Chemistry (published December 2007) and Sociology (published April 2008)
Since January 2009	Research Rating with Electrical Engineering and Information Technology (EIT)
Nov 2009 – June 2010	Development of performance dimensions and criteria for Humanities
Since Sept 2010	Research Rating with English and American Studies

Methods (1)

- _ **Informed peer review**
 - _ one peer group for each unit of assessment

- _ **Data:** quantitative and qualitative data

- _ **Multidimensional review:** No overall score

- ⇒ **Rating not Ranking**

Performance Dimensions and Criteria (Chemistry, Sociology and EEIT)

Performance Dimension

Criteria

Research

I. Research Quality

II. Impact

III. Efficiency

Promotion of young researchers

IV. Promotion of young researchers

Knowledge Transfer

V. Knowledge Transfer

VI. Public Understanding of Science

Matrix EET: Criterion I: Research Quality

Criterion	Aspects of criterion	Data
Research Quality	1. Reception (relative)	quantitative: _ Citations per paper _ Citation indexes _ Publications (P) – Backgroundinformation for judgement of Citation indicators
	2. Quality of Outputs	qualitative: _ List of publications _ Research output other than publications: e.g. databases, software, patents
	3. Judgement by other peers	qualitative: _ List of third party funded projects _ List of important prizes and awards

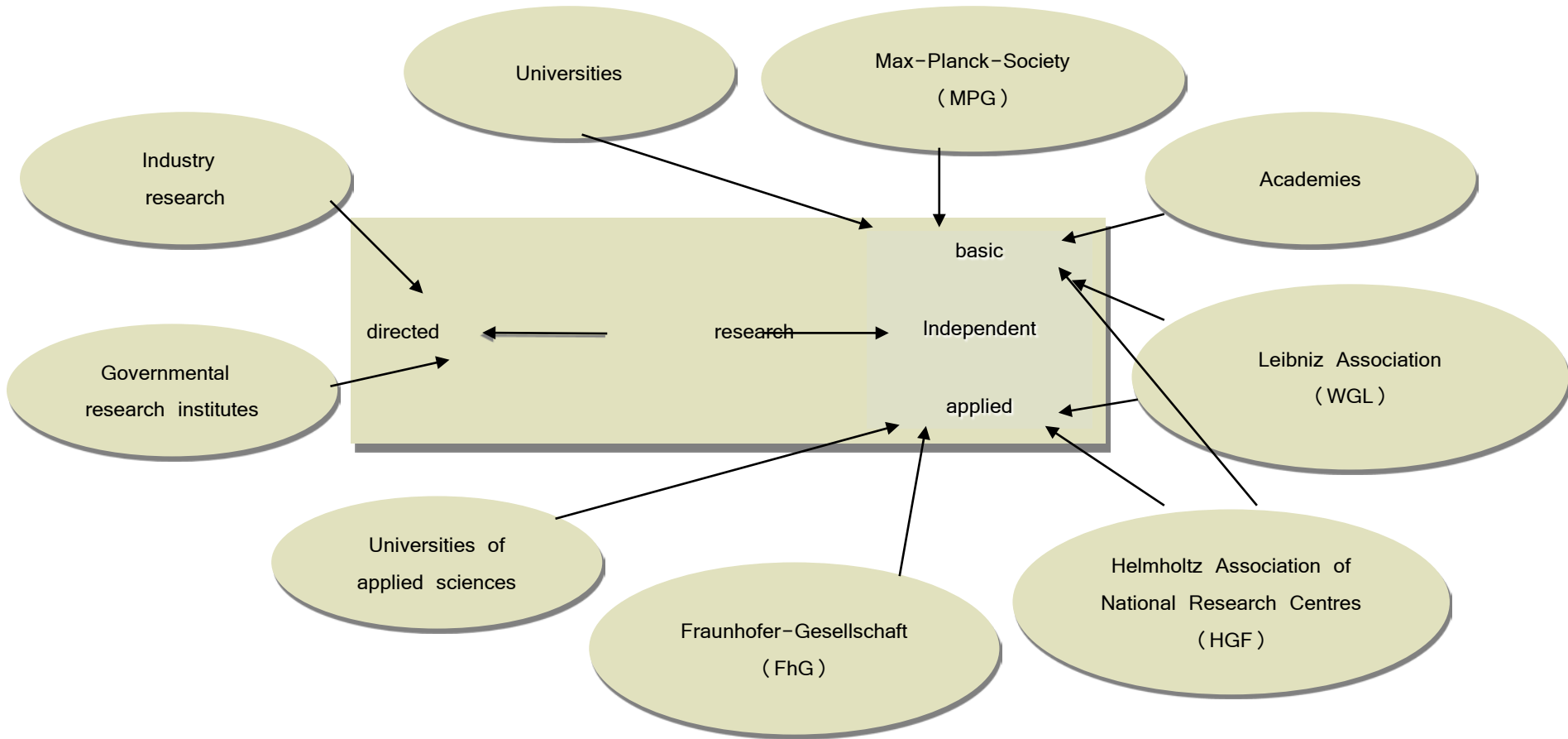
Methods (2)

- _ **Subject-specific indicators, e.g.:**
 - _ Chemistry peer group: bibliometric indicators
 - _ Sociology peer group: Sample publications submitted by institutions
 - _ Techniques peer group: bibliometric indicators for the best five publications

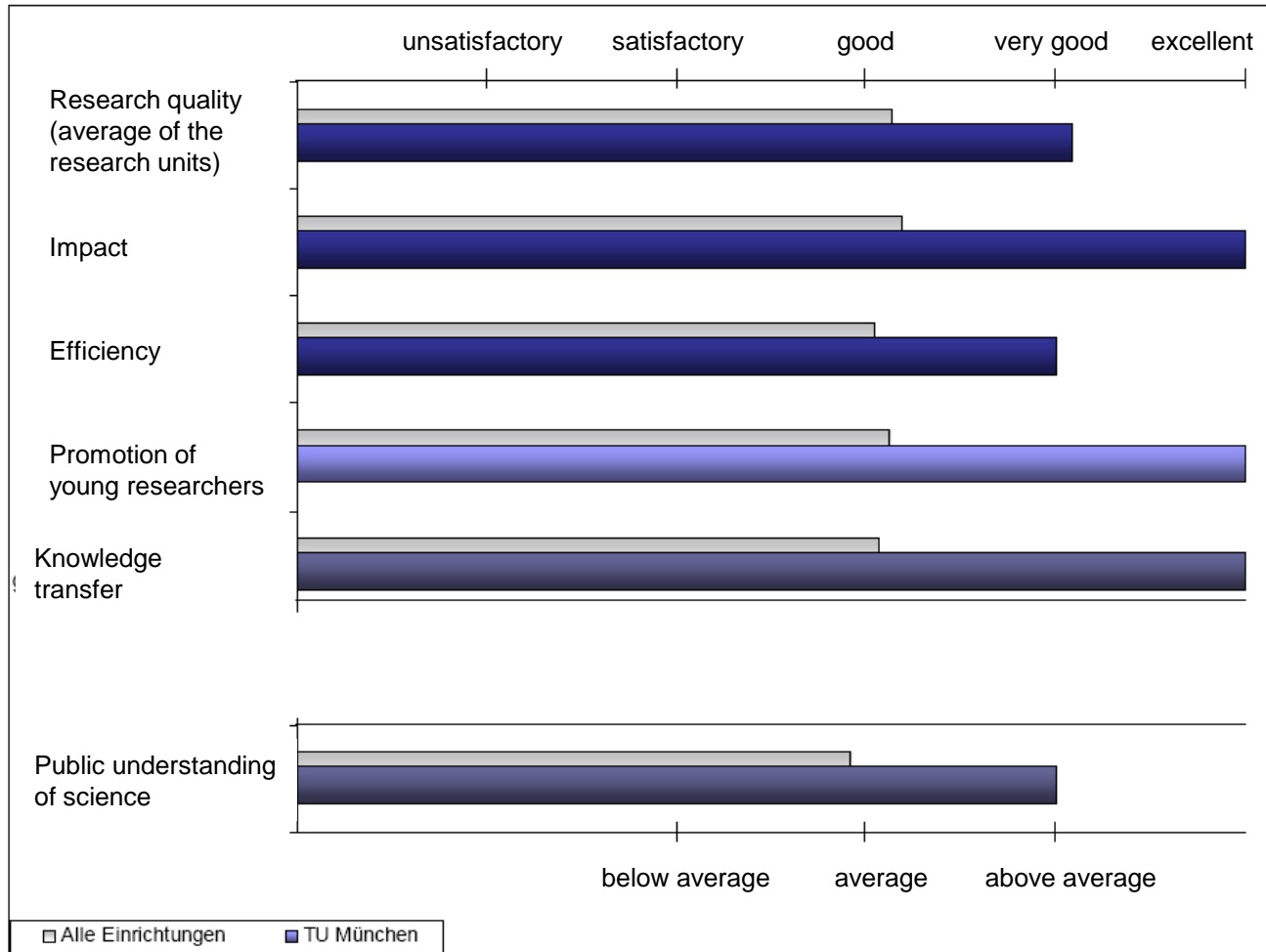
- _ **Subjects:**
 - _ **Disciplines and research units**
 - _ **Coverage of universities and non-university research institutions**

- _ **Survey period: five years**

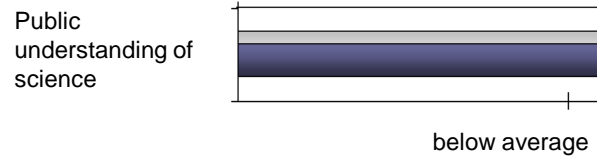
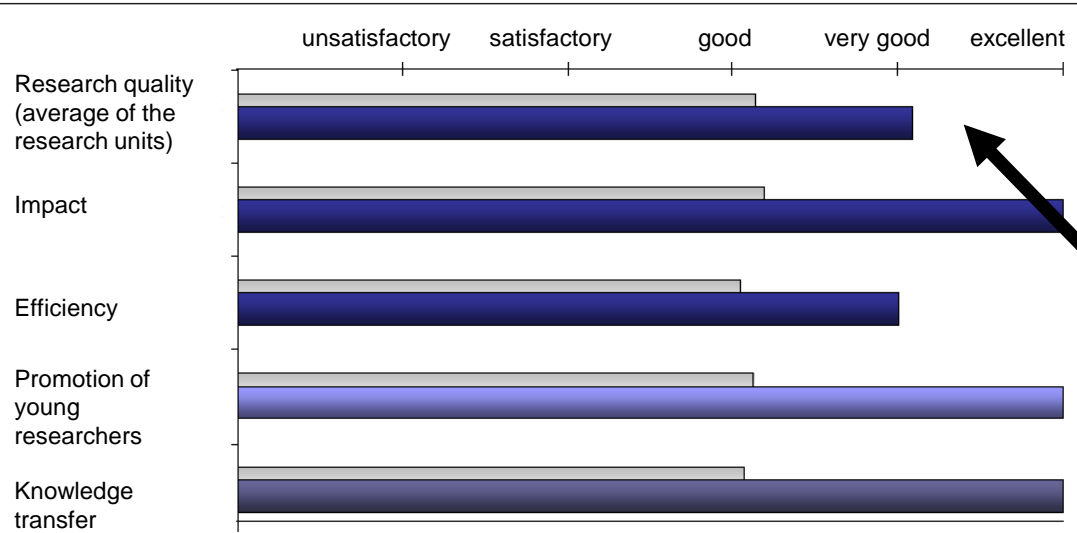
The German Academic System: University and non-university research institutions according to focus of research



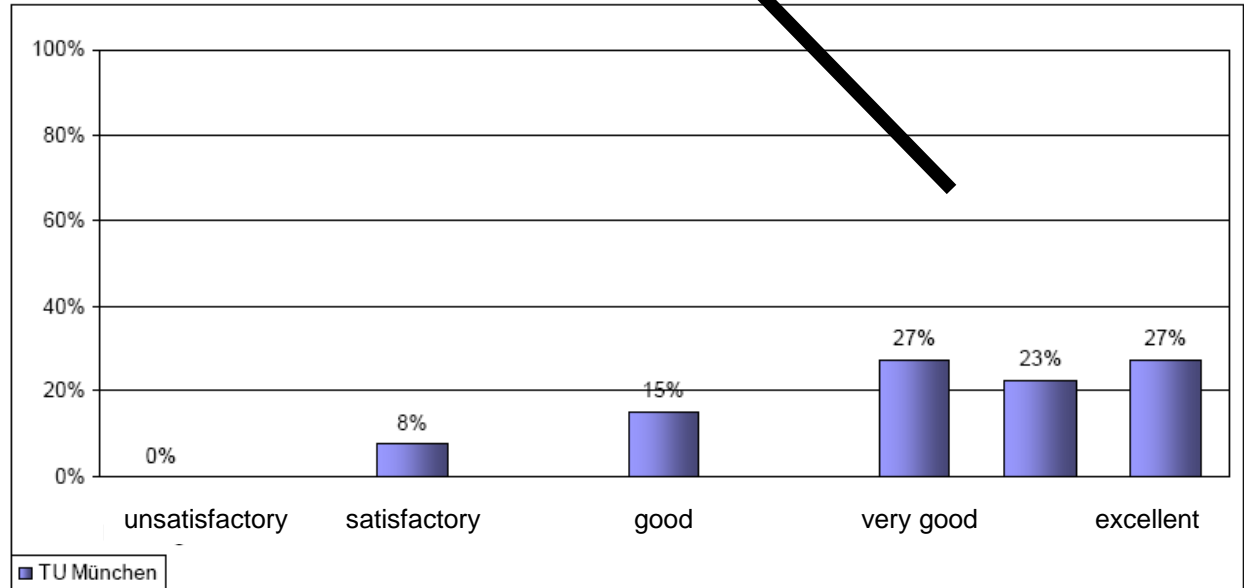
Publication of Results (Chemistry)



Publication of Results (Chemistry)



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Developments (2nd Pilotstudy)

- _ Two more disciplines in order to test adaptability to other subjects and to improve the methodology
- _ Standardisation of research units
- _ Assessment of interdisciplinary research units and institutes, especially non research institutions
- _ Dialog with users in order to minimize the efforts, manpower and time spent

Research Rating

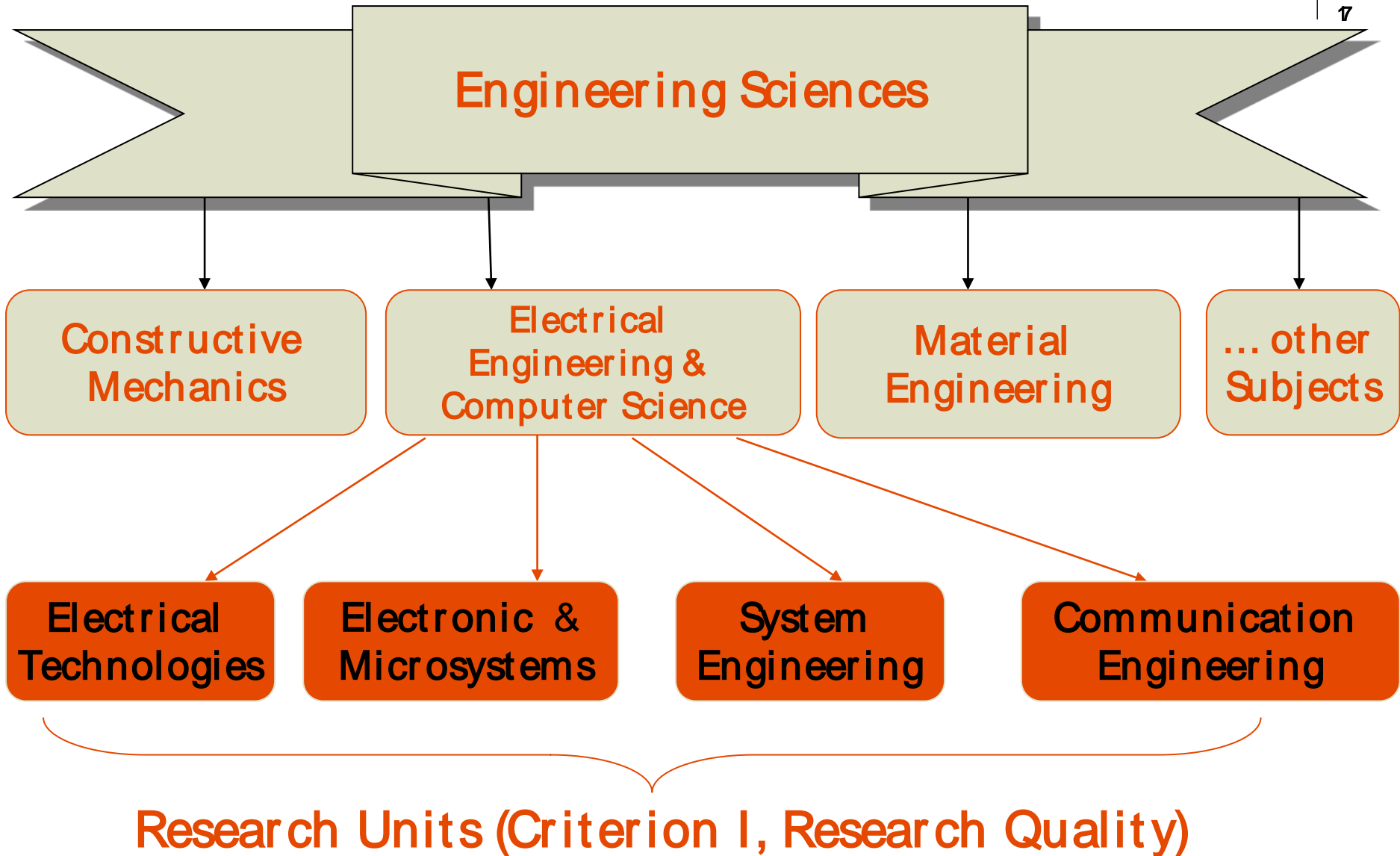
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www.wissenschaftsrat.de
www.forschungsrating.de

Research Rating Engineering Sciences (2nd Pilot study)

- _ **June 2008:** Steering committee appointed the expert group
- _ **Fall 2008 – Fall 2009:** Adaptation and development of the concept and questionnaire for Electrical Engineering & Computer Science
- _ **Winter 2009/ 10:** Data collection
- _ **Participants:** 31 Universities and 16 external research institutions
- _ **March – August 2010:** Data analysis (incl. patent and citation analysis)
- _ **Fall 2010:** Assessment process
- _ **Winter 2011:** Publishing



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